

WHAT IS CLAIMED IS:

1 1. A grease lubricated bearing housing possessing an interior and
2 having a housing wall arranged to form a bearing seat for an outer race ring
3 of a bearing, and having on each axial side of the bearing seat a space
4 limited by an axially extending wall portion and a radial gable wall, the
5 bearing housing having an opening for receiving a shaft supported in the
6 bearing, the wall of the bearing housing being provided with a through bore
7 adapted to receive a grease nipple and opening to the interior of the bearing
8 housing in at least one of the two spaces axially outside the bearing seat, an
9 interior of the bearing housing wall being provided with a material
10 conglomeration positioned in relative to the through bore opening into the
11 interior of the bearing housing so that the material conglomeration urges
12 grease introduced through the through bore to move primarily towards the
13 bearing seat to inhibit grease from primarily filling out the space into which
14 the through bore opens.

1 2. The bearing housing according to Claim 1, wherein the through
2 bore has an orifice extending through at least a part of the material
3 conglomeration, said orifice being arranged to project in a direction towards
4 the bearing seat.

1 3. The bearing housing according to Claim 1, wherein the material
2 conglomeration possesses a stepped portion comprised of an axially
3 extending surface and an adjoining radially extending surface, the radially
4 extending surface facing the bearing seat, and the through bore extending
5 through the material conglomeration and opening in the axially extending
6 surface, with the radially extending surface of the stepped portion in
7 combination with the axially extending surface forming a shield urging
8 grease introduced through the through bore to move primarily towards the
9 bearing seat while also preventing grease from primarily filling out the space
10 into which the through bore opens.

1 4. The bearing housing according to Claim 1, wherein the through
2 bore is positioned directly adjacent the material conglomeration in the
3 bearing housing so that a radially extending surface of the material
4 conglomeration forms a shield urging grease introduced through the through
5 bore to move primarily towards the bearing seat while also preventing
6 grease from primarily filling out the space into which the through bore opens.

1 5. The bearing housing according to Claim 4, wherein the material
2 conglomeration is an integrated portion of the wall of the bearing housing
3 that is formed in one piece with the bearing housing.

1 6. The bearing housing according to Claim 4, wherein the material
2 conglomeration is a bulge-formed integrated portion of the wall of the
3 bearing housing.

1 7. The bearing housing according to Claim 3, wherein the material
2 conglomeration is an integrated portion of the wall of the bearing housing
3 that is formed in one piece with the bearing housing.

1 8. The bearing housing according to Claim 3, wherein the material
2 conglomeration is a bulge-formed integrated portion of the wall of the
3 bearing housing.

1 9. The bearing housing according to Claim 2, wherein the material
2 conglomeration is an integrated portion of the wall of the bearing housing
3 that is formed in one piece with the bearing housing.

1 10. The bearing housing according to Claim 2, wherein the material
2 conglomeration is a bulge-formed integrated portion of the wall of the
3 bearing housing.

1 11. The bearing housing according to Claim 1, wherein the material
2 conglomeration is an integrated portion of the wall of the bearing housing
3 that is formed in one piece with the bearing housing.

1 12. The bearing housing according to Claim 1, wherein the material
2 conglomeration is a bulge-formed integrated portion of the wall of the
3 bearing housing.

1 13. A grease lubricated bearing housing comprising two housing
2 parts which together form a housing interior provided with a bearing seat in
3 which is seated an outer race ring of a bearing, with an annular chamber
4 located on at least one axial side of the bearing seat, the space being
5 limited by an axially extending wall portion and a radial gable wall, the
6 bearing housing having an opening at least at one end for receiving a shaft
7 passing at least partially through the bearing housing, a first one of the
8 bearing parts being provided with a bore extending from exterior of the
9 bearing housing and opening into the space at a position axially outside the
10 bearing seat, the bore being adapted to receive a grease nipple to permit
11 grease to be introduced into the housing interior, the first bearing part
12 having an interior provided with a shield which directs grease introduced

13 through the bore in a direction towards the bearing seat while also inhibiting
14 grease from primarily filling out the space into which the bore opens.

1 14. The bearing housing according to Claim 13 wherein the shield is
2 integrally formed in one piece with the first bearing part, and the bore
3 extending through at least a part of the shield.

1 15. The bearing housing according to Claim 13, wherein the shield
2 is a material conglomeration formed integrally with the first bearing part and
3 extending inwardly from the interior of the first bearing part, the bore having
4 an orifice extending through at least a part of the material conglomeration
5 and arranged to project in a direction towards the bearing seat.

1 16. The bearing housing according to Claim 13 wherein the shield
2 possesses a stepped configuration comprised of an axially extending
3 surface and an adjoining radially extending surface, the radially extending
4 surface facing the bearing seat, and the bore extending through the shield
5 and opening in the axially extending surface, the radially extending surface
6 in combination with the axially extending surface forming the shield.

1 17. The bearing housing according to Claim 13 wherein the shield
2 comprises a radially extending surface and the bore is positioned directly
3 adjacent the radially extending surface.

1 18. The bearing housing according to Claim 13, wherein the shield
2 is an integrated portion of the first housing part that is formed in one piece
3 with the first housing part.

1 19. The bearing housing according to Claim 13, wherein the shield
2 is a bulge-formed integrated portion of the first housing part.